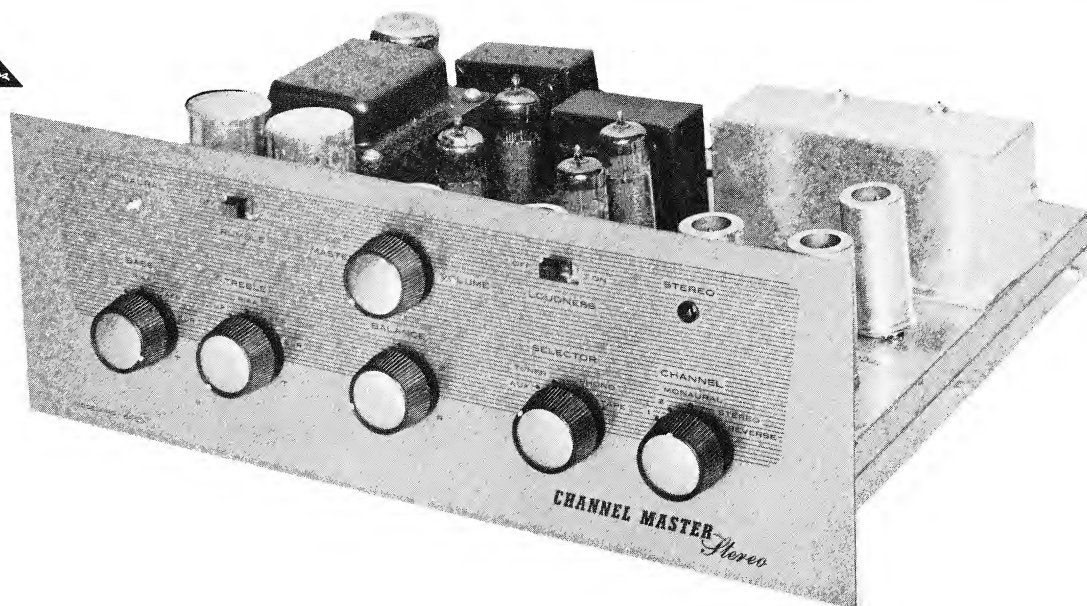
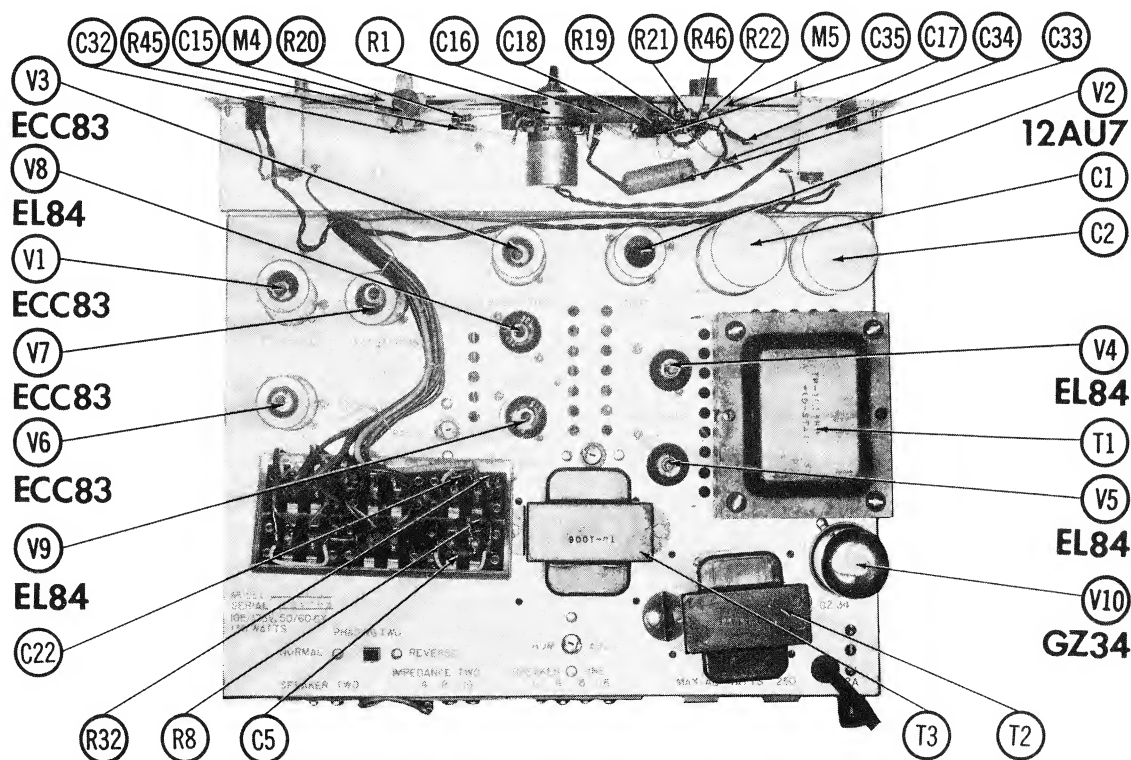


CHANNEL MASTER
MODEL 6600

| | | | |
|--------------|---|--------|------------------------------------|
| TRADE NAME | Channel Master Model 6600 | | |
| MANUFACTURER | Channel Master Corp., Ellenville, N. Y. | | |
| TYPE SET | AC Operated 10 Tube Stereo Amplifier | | |
| POWER SUPPLY | 105-125 Volts AC, 60 Cycles | RATING | 105 Watts, .95 Amp. @ 117 Volts AC |

CHANNEL MASTER
MODEL 6600SET 509
FOLDER 6

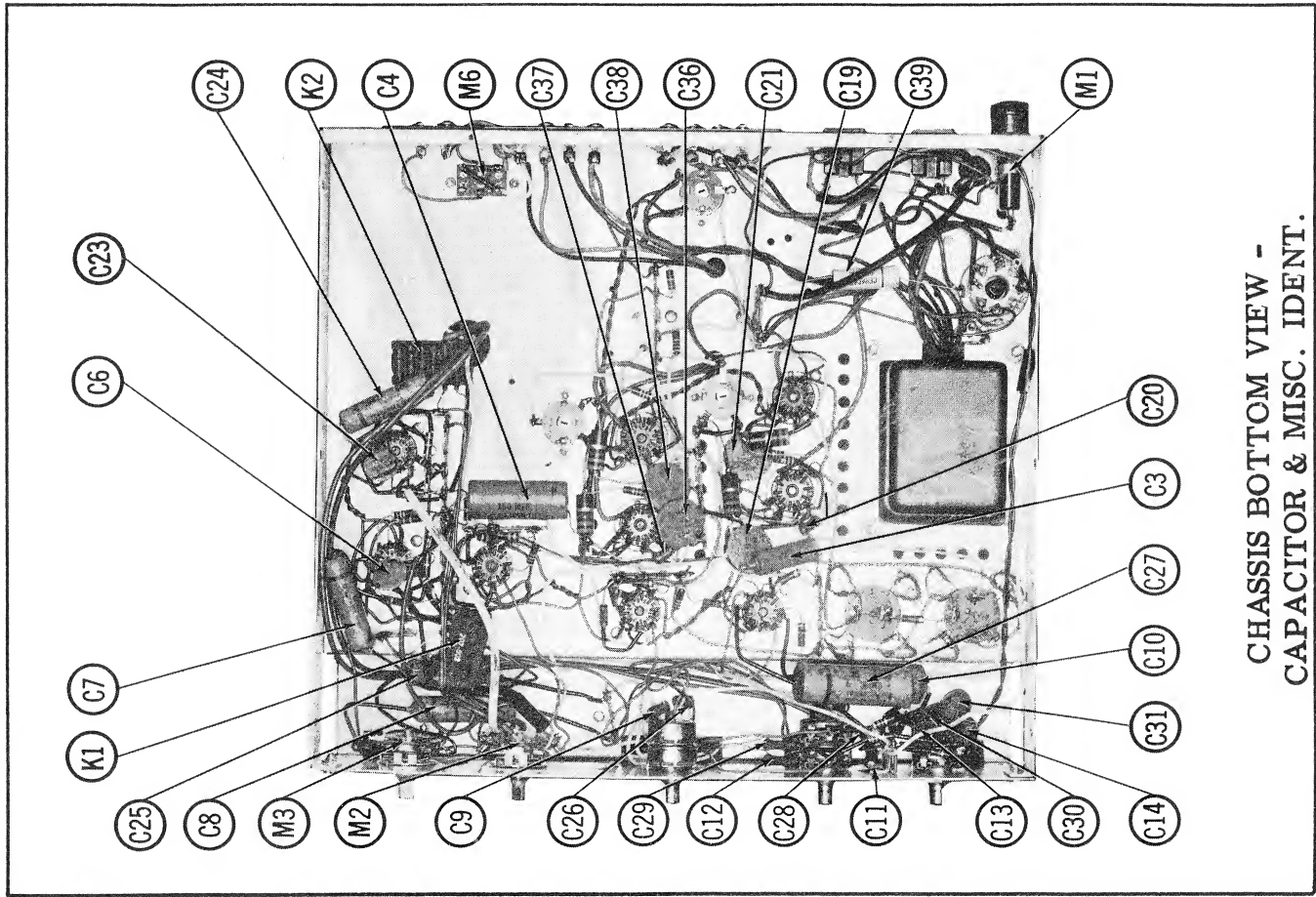
HOWARD W. SAMs & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of KV228

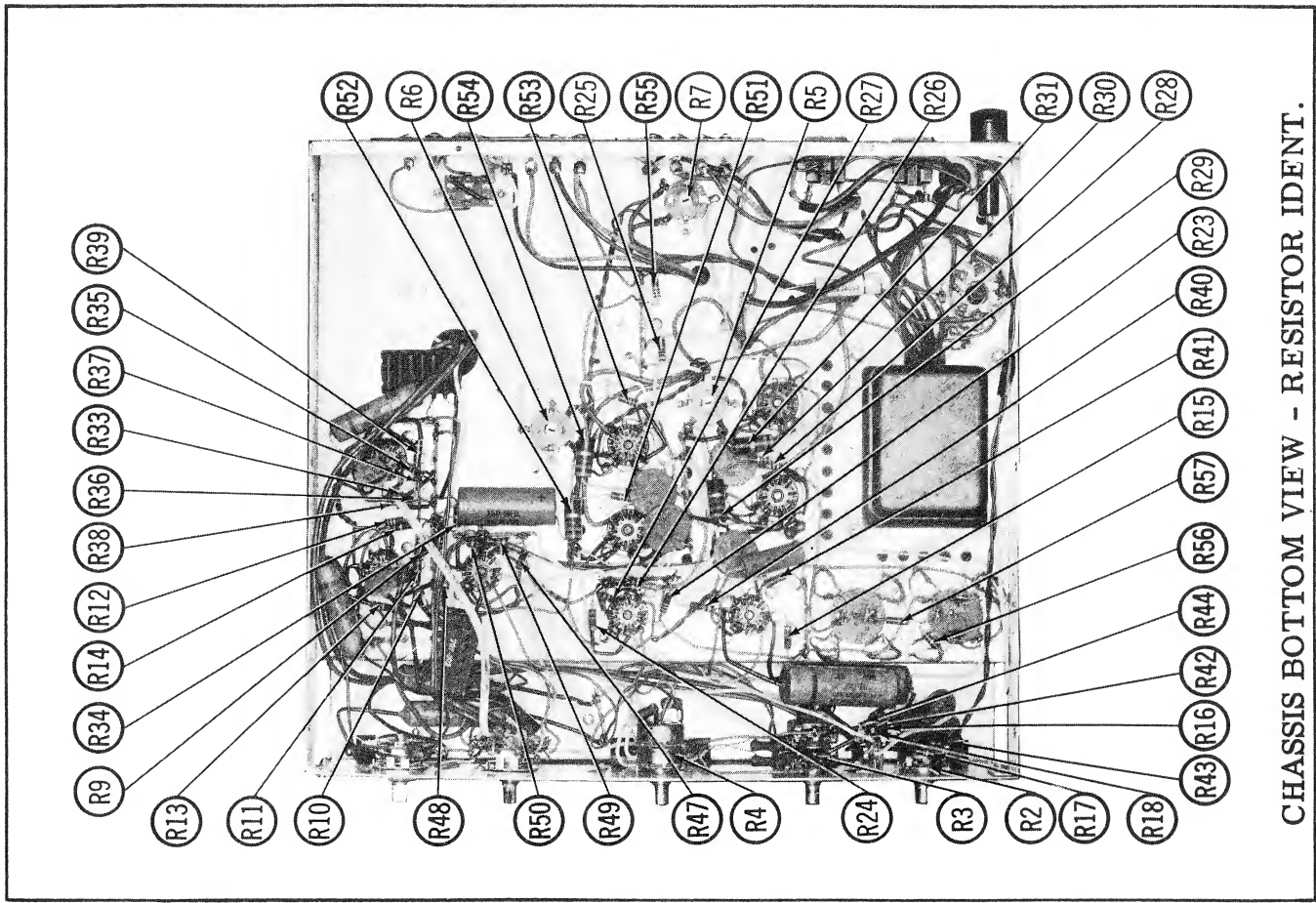
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DATE 12-60

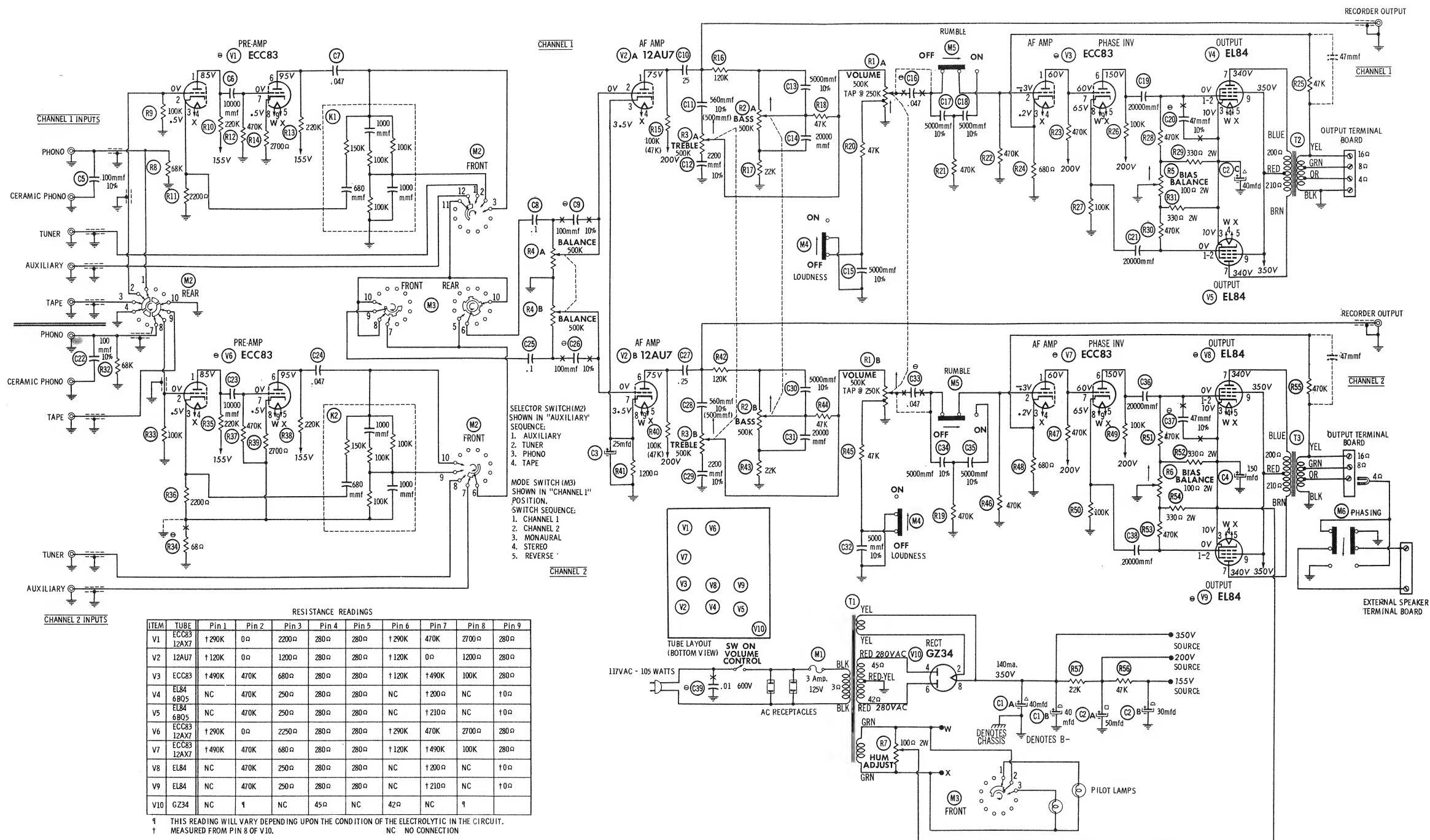




CHASSIS BOTTOM VIEW -
CAPACITOR & MISC. IDENT.



CHASSIS BOTTOM VIEW - RESISTOR IDENT.



1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 1000 ohm per volt voltmeter.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common ground.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.
6. All controls at minimum, proper output load connected.

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM

ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)

PARTS LIST AND DESCRIPTIONS

TUBES

| GENERAL ELECTRIC | | | RAYTHEON | | | SYLVANIA | | |
|------------------|---------------------|----------------------|----------|---------------------|----------------------|----------|-----|------|
| ITEM No. | USE | TYPE | ITEM No. | USE | TYPE | ITEM No. | USE | TYPE |
| V1 | Channel 1 Preamp. | ECC83/12AX7 (7025) * | V6 | Channel 2 Preamp. | ECC83/12AX7 (7025) * | | | |
| V2 | Channel 1 AF Amp. - | 12AU7 | V7 | Channel 2 AF Amp. - | ECC83/12AX7 (7025) * | | | |
| V3 | Channel 2 AF Amp. - | | V8 | Channel 2 Output | EL84 (6BQ5) * | | | |
| V4 | Phase Inv. | ECC83 (ECC83/7025) * | V9 | Channel 2 Output | EL84 (6BQ5) * | | | |
| V5 | Channel 1 Output | EL84/6BQ5 | V10 | Rectifier | GZ34 | | | |

* Alternate

ELECTROLYTIC CAPACITORS

| ITEM No. | RATING | | REPLACEMENT DATA | | | | | | |
|----------|--------|-------|-------------------------|------------------|---------------------------|------------------|------------------|------------------|-------|
| | CAP. | VOLT. | Channel Master PART No. | AEROVOX PART No. | CORNELL-DUBILIER PART No. | MALLORY PART No. | PYRAMID PART No. | SPRAGUE PART No. | NOTES |
| C1A | 40 | 450 | A500 | AFH2-57 | B0450 | FP238 | TMD-2650 | TVL-2764 | |
| B | 40 | 450 | | | | | | | |
| C2A | 50 | 400 | A502 | AFH3-134 | C1080 | FP369.1 | TMT-3628 | TVL-3725.6 | |
| B | 30 | 450 | | | | | | | |
| C | 40 | 25 | | | | | | | |
| C3 | 25 | 3 | A501 | SRE3V25 | BBR25-3 | TT3X25 | TD-25-25 | TE-1055 | |
| C4 | 150 | 15 | A503 | PRSL370 | BR1505 | TC25015 | TD-150-50 | TE-1163 | |

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

| ITEM No. | RATING | | REMARKS | REPLACEMENT DATA | | | | | |
|----------|--------|------|---------|------------------|--------------------|---------------------------|------------------|------------------|------------------|
| | | | | AEROVOX PART No. | CENTRALAB PART No. | CORNELL-DUBILIER PART No. | ELMENCO PART No. | MALLORY PART No. | SPRAGUE PART No. |
| C5 | 100 | 10% | | NPO-SI 100 | D6-101 | L10T1 | CCD-101 | GP310 | 10TS-T10 |
| C6 | 10000 | | | BPD-01 | DD-103 | BYA10S1 | CCD-103 | B-110 | 5HK-S10 |
| C7 | .047 | 400V | | P488N-047 | DD-503 | CUB4S47 | 4DP-3-473 | GEM-4147 | 4TM-S47 |
| C8 | .1 | 200V | | P288N-1 | DF-104 | CUB2P1 | 2DP-3-104 | GEM-201 | 2TM-P10 |
| C9 | 100 | 10% | Note 1 | NPO-SI 100 | D6-101 | L10T1 | CCD-101 | GP310 | 10TS-T10 |
| C10 | .25 | 400V | | P488N-25 | | CUB4P25 | 4DP-5-254 | GEM-4025 | 4TM-P25 |
| C11 | 560 | 10% | (500) † | DI-5000 | D6-561 | 5R5T56 | CCD-561 | GP356 | 10TS-T56 |
| C12 | 2200 | 10% | | BPD-02 | DD-203 | PM6D22 | CCD-222 | GP222 | 10TS-D22 |
| C13 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C14 | 20000 | | | BPD-02 | DD-203 | BYB6S2 | CCD-203 | B-120 | 5HK-S20 |
| C15 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C16 | .047 | 200V | Note 1 | P288N-047 | DD-503 | CUB4S47 | 4DP-3-473 | GEM-4147 | 2TM-S47 |
| C17 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C18 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C19 | 20000 | | | BPD-02 | DD-203 | BYB6S2 | CCD-203 | B-120 | 5HK-S20 |
| C20 | 47 | 10% | Note 1 | NPO-SI 470 | D6-470 | L10Q47 | CCD-470 | GP447 | 10TS-Q47 |

FIXED CAPACITORS (cont)

| ITEM No. | RATING | | REMARKS | REPLACEMENT DATA | | | | | |
|----------|--------|------|---------|------------------|--------------------|---------------------------|------------------|------------------|------------------|
| | | | | AEROVOX PART No. | CENTRALAB PART No. | CORNELL-DUBILIER PART No. | ELMENC0 PART No. | MALLORY PART No. | SPRAGUE PART No. |
| C21 | 20000 | | | NPO-SI 100 | DD-203 | BYB6S2 | CCD-203 | B-120 | 5HK-S20 |
| C22 | 100 | 10% | | BPD-01 | D6-101 | L10T1 | CCD-101 | GP310 | 10TS-T10 |
| C23 | 10000 | | | P488N-047 | DD-103 | BYA10S1 | CCD-103 | B-110 | 5HK-S10 |
| C24 | .047 | 400V | | P288N-1 | DD-503 | CUB4S47 | 4DP-3-473 | GEM-4147 | 4TM-S47 |
| C25 | .1 | 200V | | P488N-25 | DF-104 | CUB2P1 | 2DP-3-104 | GEM-201 | 2TM-P10 |
| C26 | 100 | 10% | Note 1 | NPO-SI 100 | D6-101 | L10T1 | CCD-101 | GP310 | 10TS-T10 |
| C27 | .25 | 400V | | P488N-25 | | CUB4P25 | 4DP-5-254 | GEM-4025 | 4TM-P25 |
| C28 | 560 | 10% | (500) † | DI-5000 | DD-561 | 5R5T56 | CCD-561 | GP356 | 10TS-T56 |
| C29 | 2200 | 10% | | BPD-02 | | PM6D22 | CCD-222 | GP222 | 10TS-D22 |
| C30 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C31 | 20000 | | | BPD-02 | DD-203 | BYB6S2 | CCD-203 | B-120 | 5HK-S20 |
| C32 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C33 | .047 | 200V | Note 1 | P288N-047 | DD-503 | CUB2S47 | 4DP-3-473 | GEM-4147 | 2TM-S47 |
| C34 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C35 | 5000 | 10% | | DI-5000 | | PM6D5 | CCD-502 | JL-247 | 10TS-D50 |
| C36 | 20000 | | | BPD-02 | DD-203 | BYB6S2 | CCD-203 | B-120 | 5HK-S20 |
| C37 | 47 | 10% | Note 1 | NPO-SI 47 | D6-470 | L10Q47 | CCD-470 | GP447 | 10TS-Q47 |
| C38 | 20000 | | | BPD-02 | DD-203 | BYB6S2 | CCD-203 | B-120 | 5HK-S20 |
| C39 | .01 | 600V | Note 1 | P688N-01 | D6-103 | CUB6S1 | GDP-2-103 | GEM-611 | 6TM-S10 |

Note 1. Not used in some versions.

† Alternate Value.

CONTROLS

| ITEM No. | RATING | | Channel Master PART No. | REPLACEMENT DATA | | | | INSTALLATION NOTES |
|----------|-------------|-------|-------------------------|--------------------|--------------------|------------------|------------------|-------------------------|
| | RESIST-ANCE | WATTS | | CENTRALAB PART No. | CLAROSTAT PART No. | CTS-IRC PART No. | MALLORY PART No. | |
| RIA | 500K | 1/2 | E-502 | BT-64 | | | | Volume, Channel 1 |
| B | 250K Tap | 1/2 | | STR-64 | | | | Volume, Channel 2 |
| C | 500K | | | KR-1 | | | | Power Off-On |
| R2A | 500K | | E-500 | B-58 | AD47-500K-Z | | FA55A | Bass, Channel 1 |
| B | 500K | | | SR-58 | Not Req. | | RU55A | Bass, Channel 2 |
| C | Shaft | | | Not Req. | FS-3 | | CS3500 | |
| R3A | 500K | | E-500 | B-58 | AD47-500K-Z | | FA55A | Treble, Channel 1 |
| B | 500K | | | SR-58 | Not Req. | | RU55A | Treble, Channel 2 |
| C | Shaft | | | Not Req. | FS-3 | | CS3500 | |
| R4A | 500K | | E-501 | B-59 | AD47-500K-S | | FA55L | Balance, Channel 1 |
| B | 500K | | | SR-59 | Not Req. | | RU55L | Balance, Channel 2 |
| C | Shaft | | | Not Req. | FS-3 | | CS3500 | |
| R5A | 100Ω | 2(WW) | E-503 | WN-101 | A43-100 | W11-084 | R100L | Bias Balance, Channel 1 |
| B | 100Ω | | | Not Req. | FKS-1/4 | SK5 | Not Req. | |
| R6A | 100Ω | 2(WW) | E-503 | WN-101 | A43-100 | W11-084 | R100L | Bias Balance, Channel 2 |
| B | 100Ω | | | Not Req. | FKS-1/4 | SK5 | Not Req. | |
| R7A | 100Ω | 2(WW) | E-503 | WN-101 | A43-100 | W11-084 | R100L | Hum Adjust |
| B | Shaft | | | Not Req. | FKS-1/4 | SK5 | Not Req. | |

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS (IRC or EQUIVALENT)

All wattages 1/2 watt, or less, unless otherwise listed.

| ITEM No. | RATING | REMARKS | ITEM No. | RATING | REMARKS | ITEM No. | RATING | REMARKS |
|----------|--------|---------|----------|---------|---------|----------|---------|---------|
| R8 | 68K | | R25 | 47K | | R42 | 120K | |
| R9 | 100K | | R26 | 100K | | R43 | 22K | |
| R10 | 220K | | R27 | 100K | | R44 | 47K | |
| R11 | 2200Ω | | R28 | 470K | | R45 | 47K | |
| R12 | 470K | | R29 | 330Ω 2W | | R46 | 470K | |
| R13 | 220K | | R30 | 470K | | R47 | 470K | |
| R14 | 2700Ω | | R31 | 330Ω 2W | | R48 | 680Ω | |
| R15 | 100K | (47K) * | R32 | 68K | | R49 | 100K | |
| R16 | 120K | | R33 | 100K | | R50 | 100K | |
| R17 | 22K | | R34 | 68Ω | Note 1 | R51 | 470K | |
| R18 | 47K | | R35 | 220K | | R52 | 330Ω 2W | |
| R19 | 470K | | R36 | 2200Ω | | R53 | 470K | |
| R20 | 47K | | R37 | 470K | | R54 | 330Ω 2W | |
| R21 | 470K | | R38 | 220K | | R55 | 47K | |
| R22 | 470K | | R39 | 2700Ω | | R56 | 47K | |
| R23 | 470K | | R40 | 100K | (47K) * | R57 | 22K | |
| R24 | 680Ω | | R41 | 1200Ω | | | | |

* Alternate Value

Note 1. Not used in some versions.

FUSES

| ITEM No. | TYPE | RATING | REPLACEMENT DATA | | | | | |
|----------|------|-------------|-------------------------|--------|--------------------------|--------|---------------|--------|
| | | | Channel Master PART No. | | LITTELFUSE PART No. | | BUSS PART No. | |
| | | | FUSE | HOLDER | FUSE | HOLDER | FUSE | HOLDER |
| M1 | 3AG | 3A 125V S/B | F504 | F505 | 313003 (3AG 3A 125V S/B) | 342001 | MDX3 | HKP |

MISCELLANEOUS

| ITEM No. | PART NAME | Channel Master PART No. | NOTES |
|----------|-----------|-------------------------|---------------------------------|
| M2 | Switch | E504 | Selector (Rotary Wafer) |
| M3 | Switch | E505 | Channel Selector (Rotary Wafer) |
| M4 | Switch | E507 | Loudness (DPST Slide Type) |
| M5 | Switch | E506 | Rumble (DPDT Slide Type) |
| M6 | Switch | E506 | Phasing (DPDT Slide Type) |

COMPONENT COMBINATIONS

| ITEM No. | USE | DESCRIPTION | Channel Master PART No. | REPLACEMENT DATA |
|----------|------------------------|--|-------------------------|------------------|
| K1 | Preamp. Plate Coupling | 680mmf, 1000mmf, 1000mmf, 100K, 100K, 100K, 150K | F517 | |
| K2 | Preamp. Plate Coupling | 680mmf, 1000mmf, 1000mmf, 100K, 100K, 100K, 150K | F517 | |

TRANSFORMER (POWER)

| ITEM No. | RATING | | | REPLACEMENT DATA | | | | | NOTES |
|----------|----------------|-------------------|--------------|-------------------------|----------------|------------------|---------------------|----------------|-------|
| | PRI. | SEC. 1 | SEC. 2 | Channel Master PART No. | Merit PART No. | Stancor PART No. | Thordarson PART No. | Triad PART No. | |
| | 117V ⓐ .95A | 560VCT ⓐ .140A | 5V ⓐ 1.9A | C500 | | | | | |
| TI | SEC. 3 | SEC. 4 | SEC. 5 | | | | | | |
| | 6.3V ⓐ 4.7A | | | | | | | | |

TRANSFORMER (AUDIO OUTPUT)

| ITEM No. | IMPEDANCE | | REPLACEMENT DATA | | | | | | NOTES |
|----------|-----------|---------------------|-------------------------|----------------|------------------|---------------------|----------------|--|-------|
| | | | Channel Master PART No. | Merit PART No. | Stancor PART No. | Thordarson PART No. | Triad PART No. | | |
| | PRI. | SEC. | | | | | | | |
| T2 | 5200Ω CT | 16Ω Tap ⓐ 8Ω, 4Ω | C501 | | | | | | |
| T3 | 5200Ω CT | 16Ω Tap ⓐ 8Ω, 4Ω | C501 | | | | | | |

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

| NAME | PART NO. | DESCRIPTION |
|------|----------|--|
| Knob | F-511 | Volume, Bass, Treble, Balance, Selector, Channel |

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
Power Cord Use BELDEN No. 8524 (Stranded) Available in Ten Colors
8524 (Stranded) Available in Ten Colors
1725-K (7½ Ft. Length)

PILOT: TS 51